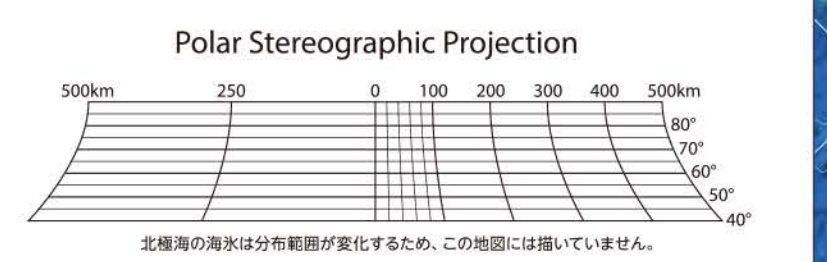


ATLANTIC OCEAN
大西洋

ARCTIC OCEAN
北極海

PACIFIC OCEAN
太平洋

北極域 Arctic Region



Amante, C. and S. W. Eakins, ETOPO1 1 Arc-Minute Global Relief Model: Procedures, Data Sources and Analysis, NOAA Technical Memorandum NESDIS NGDC-24, 19 pp, March 2009.

 Wessel, P. and W. H. F. Smith, A Global Self-consistent, Hierarchical, High-resolution Shoreline Database, J. Geophys. Res., 101, 8849-8863, 1996.

 Brown, J., O.J. Ferrans, Jr., J.A. Heggenbottom, and E.S. Mehlkopf, 1998, revised February 2001. Circum-arctic map of permafrost and ground ice conditions. Boulder, CO: National Snow and Ice Data Center/World Data Center for Glaciology. Digital media.

 Country Boundaries: ArcWorld/ESRI Data& Maps

 Map design & compilation by Hokkaido-Chizu Co., Ltd. 2015 October

 © Japan Consortium for Arctic Environmental Research and National Institute of Polar Research, 2015

